Name:

*Mr. Tiénou-Gustafson & Mr. Bielmeier*

Geometry, Period

Due Date: Tue, 24 Feb 2015 ***Failure to show all work will result in LaSalle.***

**Geometry**

**Homework**



|  |  |
| --- | --- |
| 1. Simplify: = | 1. Simplify: = |
| 1. Find the value of each variable. Write answers in the simplest radical form. | 1. Find the value of each variable. Write answers in the simplest radical form. |
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**Use the points (-121, 18) and (12, -19) for the next three questions:**

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| 1. Find the distance between the points. | 1. Write an equation for the line that connects the two points. | | 1. Determine the the coordinate of the midpoint of the line. |
| 1. Solve for side y. | | 1. Solve for x. | |
|  | |  | |
|  | | 1. A regulation home plate from a baseball game is shown below.     What is the area of home plate to the nearest hundredth? | |